

APPENDIX 8.3A

Resume of Douglas M. Davy, Ph.D.

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Consulting Archaeologist

SUMMARY OF EXPERIENCE

Twenty-two years of experience in cultural resources management, including prehistoric and historic archaeology, and historic buildings and structures, and Native American consultation. Eighteen years of experience as a manager of archaeological field projects in support of regulatory compliance programs for energy, transportation, mineral and water resources development, and hazardous materials management projects.

REPRESENTATIVE PROJECTS

Cultural Resources Testing and Evaluation for 30 sites in Management Region 5, Edwards Air Force Base, U.S. Army Corps of Engineers. Project Manager and co-Principal Investigator for archaeological testing and National Register of Historic Places evaluation of 30 prehistoric archaeological sites located in the Precision Impact Range Area at Edwards Air Force Base, western Mojave Desert, California. Prepared archaeological research design and work plan for test excavations and laboratory analysis and served as Project Director, coauthor, and general editor of final report. Project is part of a long-range sampling program for compliance with Section 106 of the National Historic Preservation Act.

Eastern Transportation Corridor; Transportation Corridor Agencies - Project Archaeologist/Principal Investigator for 24-mile-long multi-lane toll road in Orange County, California. Directed construction monitors, consulted with 5 Native American Tribes, prepared Archaeological Resources Management Plan, developed and managed test excavation and laboratory analysis program to determine National Register eligibility of 22 archaeological sites discovered during construction and authored survey and excavation reports. Directed data recovery excavations to mitigate impacts to prehistoric rockshelter site and three deeply buried, Early Holocene sites discovered during construction.

Vancouver to Sacramento Fiber Optic Conduit Installation Project, 360networks, Incorporated – Project Archaeologist/Principal Investigator for long-haul fiber optic conduit installation program between Vancouver, Washington, and Sacramento, California. Consulted with Federal agencies and Native American tribes, prepared Archaeological Resources Treatment Plans, agreement documents, and heritage resources inventory reports; directed archaeological field survey and test excavations; and managed team of 5 archaeologists and more than 20 Native Americans monitoring construction. Coordinated with Forest Service in emergency discovery situations.

Statewide Historic Buildings and Structures Inventory, DoD Installations, State of California; U.S. Army Corps of Engineers, Sacramento District. Project Manager for inventory and overview of buildings and structures surveys for 93 military bases in California. Prepared inventory and analysis of studies and coordinated with a team of Architectural Historians. Co-authored one of three report volumes. Project involved literature search and historic context development for California as a region and for the Cold War and Korean War periods. The resulting report serves as a guide for all future historic buildings and structures inventories in California. Project review

committee included representatives of each of the four military service branches, State Historic Preservation Office, Advisory Council on Historic Preservation, and National Park Service. This project won the Governor's Historic Preservation Award for 2001.

Integrated Cultural Resources Management Plans, U.S. Army Corps of Engineers. Project Manager for preparation, under separate task orders, of Integrated Cultural Resources Management Plans for four military installations: Sierra Army Depot, northern California; Deseret Chemical Depot, Utah; Naval Weapons Station, Seal Beach, southern California; and Naval Weapons Station, Fallbrook Detachment. Each of the plans involved a review of inventoried archaeological sites and historic buildings and structures, an assessment of regulatory compliance plans and procedures for Section 106 of the National Historic Preservation Act and other regulations at each installation, and development of recommendations for continued regulatory compliance and future work.

Northend Landfill Capping and Shoreline Protection Project; Naval Ordnance Center Pacific Division, U.S. Navy Engineering Field Activity Northwest - Principal Investigator for landfill capping and shoreline protection project. Conducted test investigations to determine National Register eligibility of prehistoric shell midden site, consulted with 5 Native American tribes, prepared Archaeological Resources Treatment Plan for data recovery to mitigate adverse effects on a prehistoric archaeological site. Directed scientific data recovery excavation as a mitigation measure at buried site in tidal zone. Principal author of scientific data recovery report. Prepared Memorandum of Agreement between the Navy, State Historic Preservation Office, Native American Tribes, and Advisory Council on Historic Preservation.

Gilroy Energy Center, Calpine Corporation. - Project Archaeologist for California Energy Commission Application for Certification for merchant thermal power plant. Planned and conducted cultural resources inventories and prepared license application. Prepared Monitoring and Mitigation Plan and supervised construction monitoring. Conducted presence-absence testing program for buried archaeological deposits at site of zero liquid discharge system, planned and managed data recovery excavations for protohistoric site encountered during construction of the natural gas pipeline.

Devil's Nose/Cross County Water-Power Project FERC License Application; Amador County Water Resources Agency - Principal Investigator for cultural resources field inventory, National Register evaluation, and Native American consultation, for a 121-MW water supply reservoir and hydroelectric project involving a 1,000-acre reservoir in central California. Directed archaeological survey, recorded 52 archaeological sites and conducted field program to determine their eligibility for listing on the National Register of Historic Places. Coordinated cultural resources management activities with U.S. Forest Service, Office of Historic Preservation, Native American tribes, and other agencies.

Historic Properties Survey of Selected Areas at Fort Peck Lake; U.S. Army Corps of Engineers, Missouri River Division - Project Archaeologist/Principal Investigator for archaeological survey of 4,000 acres at Fort Peck Lake, eastern Montana as a technical study in support of the EIS for the Missouri River Master Water Control Manual. Recorded 49 archaeological sites and analyzed reservoir shoreline erosion effects on historic properties. Principal author of survey

report for compliance with Section 106 of the National Historic Preservation Act in conjunction with the Missouri River Master Water Control Manual Environmental Impact Statement.

Kelso-Beaver Pipeline FERC License Application; Portland General Electric Company - Principal Investigator for FERC license application for a 17-mile-long natural gas pipeline in southwestern Washington and northwestern Oregon. Conducted a records search, literature search, and field surveys and consulted with four Native American groups and the State Historic Preservation Office for Section 106 National Historic Preservation Act compliance.

Sly Park Flashboards EA; El Dorado Irrigation District - Principal Investigator for National Register evaluations of two prehistoric sites located on the shorelines of a reservoir in east-central California for reservoir expansion project. Planned and directed archaeological excavations to evaluate the sites, and prepared site evaluation report. Consulted with the Bureau of Reclamation, State Historic Preservation Office, and Native American tribes.

Piñon Pine Power Project; Sierra Pacific Power Company - Principal Investigator for historic properties survey and site evaluation program for a coal gasification project in west-central Nevada. Conducted field survey to identify sites, and directed test excavations to evaluate the National Register eligibility of a prehistoric archaeological site. Consulted with Native American tribe and State Historic Preservation Office for Section 106 National Historic Preservation Act compliance on behalf of the Department of Energy.

Regulatory Support Program; Federal Energy Regulatory Commission - Prepared Environmental Impact Statements and Environmental Assessments and conducted agency consultation to ensure compliance with Section 106 of the National Historic Preservation Act for hydroelectric projects in western United States in support of FERC staff. Prepared four major EISs and four EAs for hydroelectric projects in California, Oregon, Washington, Idaho, Nebraska, and Wisconsin. Prepared cultural resources portions of FERC's Licensing Handbook and Relicensing Handbook. Assessed potential effects of licensing or relicensing on large and complex hydroelectric projects and associated irrigation canals, powerhouses, dams, and electric transmission lines. Prepared Memorandum of Agreement between FERC, State Historic Preservation Office, and Advisory Council on Historic Preservation, and managed Section 106 compliance for Star Falls Hydroelectric Project.

Columbia River System Operation Review EIS; Bonneville Power Administration - Prepared an EIS evaluating 21 alternatives for the re-operation of the 14 federal dams on the Columbia and Snake river systems. Analyzed potential effects of project operational alternatives on archaeological sites and Native American traditional cultural properties. Authored computer program to analyze reservoir fluctuation effects on archaeological sites and data analysis chapters of technical appendix to EIS. Participated in multi-party technical working group with 5 federal agencies and 14 Native American tribes to assess regulatory issues and potential effects of re-operation program.

Sutter Energy Center, Calpine Corporation - Project Archaeologist for California Energy Commission Application for Certification for merchant thermal power plant and 30 miles of natural gas and electrical transmission facilities. Planned and conducted cultural resources inventories and prepared license application. Prepared Application

for California Energy Commission and cultural resources inventory report to meet Section 106 National Historic Preservation Act requirements for Western Area Power Administration. Prepared Monitoring and Mitigation Plan and supervised construction monitoring of natural gas pipeline.

Benicia Army Cemetery Historic Resources Management Plan; U.S. Army Corps of Engineers - Project Manager for Historic Resources Management Plan and public interpretation plan for Benicia Army Cemetery, the oldest U.S. military post cemetery in the Pacific States. Directed archival research program at National Archives. Prepared an interpretive program for the cemetery.

Publications and Presentations

Davy, D.M. 1999. Early Holocene buried sites in the Tustin Plain. Society for California Archaeology, Sacramento, California.

Davy, D.M., R. Herbert, and J. Carrier. 1998. A Regional and Interservice Approach to Historic Buildings and Structures Evaluation. *Proceedings of the National Defense Industrial Association*.

Davy, D.M. 1995. Simulating reservoir effects on archaeological sites for the Columbia River System Operation Review. Annual Meeting of the Northwest Anthropological Conference.

Davy, D.M. and B.A. Ramos. 1994. A statistical analysis of Gunther Barbed projectile points from two Northern California sites. *Proceedings of the Society for California Archaeology* 7.

Davy, D.M. 1994. River flow regulation as a measure to mitigate the effects of a hydroelectric project on a cultural landscape. Annual meeting of the National Council on Public History.

Davy, D.M. 1980. Borrowed concepts: a comment on Rhoades. *American Antiquity* 45:346-349.

Education

Ph.D., Archaeology, Southern Illinois University, Carbondale, 1982

M.A., Ethnology, Southern Illinois University, Carbondale, 1978

B.A., Anthropology, University of California, Santa Cruz, 1970

Certification

Register of Professional Archaeologists, 1999 (SOPA since 1985)